

# RZ Ecosystem Partner Solution

## SolidRun SYSTEM ON MODULE (SOM)



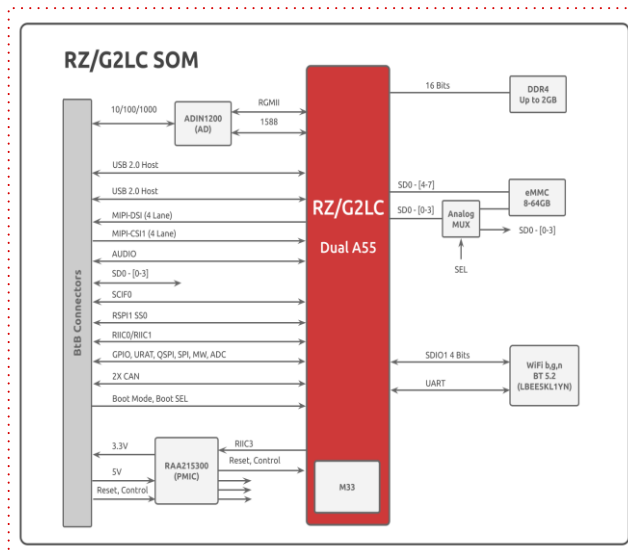
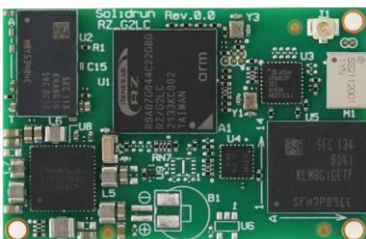
### Solution Summary

The SolidRun RZ/G2LC SOM leverages the performance and flexibility of Renesas [RZ/G2LC](#) 64-bit microprocessor. Embedded with single/dual Cortex®-A55 cores, a powerful graphics engine, and a variety of communications and video interfaces, its small form factor and outstanding performance are ideally suited for use in a wide range of demanding IoT and industrial applications. On top of the SOM, SolidRun offers ready to operate versatile HummingBoard RZ/G2LC SBC, and can be used in prototype, reference board, or production scenarios.

### Features/Benefits

- **Standard form factor for project flexibility:** A small size of 47 x 30 mm compatible with other existing SOMs to guarantee the supply chain.
- **Cost effective:** Offers excellent cost/performance ratio based on single or dual Arm Cortex A55 processor cores
- **Power efficient:** Provides a range of power-saving features optimized for embedded and IoT applications.
- **Single-core variant RZ/G2UL:** Available as a single-core variant. The RZ/G2UL variant features the same pinout as the RZ/G2LC.

### Diagrams/Graphics



### Target Markets and Applications

- Industrial HMI - GUI
- Barcode Scanner System
- Linux + RTOS
- Home Appliance
- Medical Low Power Devices
- Home Security Camera



**SolidRun** is a global leading developer of embedded systems and network solutions, focused on a wide range of energy-efficient, powerful and flexible products. Our innovative compact embedded solutions are based on ARM and x86 architecture, and offer a variety of platforms including SOMs (System-on-Module), SBCs (Single Board Computer) and industrial mini PCs.

We offer a one-stop-shop for developers and OEMs, providing a complete service from hardware customization, to software support and even product branding and enclosure design. Our mission is to simplify application development while overcoming deployment challenges, and so we can proudly offer our customers faster time-to-market and lower costs.

### OUR MISSION

To provide OEMs powerful application-ready compute and networking platforms based on open architecture to save time and lower infrastructure costs.



### THE PERSONAL TOUCH

SolidRun has a long history of cooperation with business partners and clients, we take pride in the connections we form and offer a personal touch to every project we undergo together.

### MOVE FORWARD – FASTER!

With our unique philosophy of Mix-and-match, product scalability and flexible solutions – we can help you realize your project and give you the perfect tools to achieve it quickly and efficiently.

### INNOVATION TODAY

We believe in quality and innovation. Every product we develop is at the forefront of technology, and our mind is always set to the user needs of tomorrow.

**SolidRun** is fully committed to meeting our clients' needs in a manner that is consistent with a clean and sustainable environment. We believe conservation is a good business practice and it is our duty to preserve the world's natural resources for future generations to enjoy.

<https://www.solid-run.com/>